



March 18, 2011

Marlene H. Dortch  
Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554

Re: *Interoperable National Broadband Network for Public Safety* (PS Docket No. 06-229);  
*Service Rules for the 698-746, 747-762 and 777-792 MHz Bands* (WT Docket No. 06-150);  
*Amendment of Part 90 of the Commission's Rules* (WP Docket 07-100)

Dear Ms. Dortch:

On March 17, 2011, Patrik Ringqvist, Vice President – Wireless Networks, and Jared Carlson, Director, Regulatory and Government Affairs, of Ericsson met with Jennifer Manner, Behzad Ghaffari, Brian Hurley, Pat Amodio, Yoon Chang, Jason Kim, Michael Ha, Kurian Jacob, Erika Olsen, and Henning Schulzrinne, of the Federal Communications Commission, along with representatives from Alcatel-Lucent, Harris, IPWireless, LG Electronics, Motorola, and Nokia-Siemens Networks, to discuss the requirements necessary to allow for the creation of a nationwide broadband network for public safety.

Mr. Ringqvist focused his remarks on the need for interoperability of end-user terminals in a public safety network. Ericsson's view is that the public safety LTE network is a part of the worldwide LTE environment. As such, we believe that public safety terminal equipment should be compliant with LTE standards in order to ensure operability between terminal equipment and the network. In addition, Mr. Ringqvist stressed that the public safety community and the Commission should not "reinvent the wheel" when it comes to interoperability development testing and multi-vendor terminal verification; industry procedures already ensure that these processes occur in normal commercial practice. Adding some type of special testing for public safety will have no affect on testing/verification, but will increase costs that ultimately are reflected in the price of terminal equipment, and delay the availability of that equipment.

We have attached a copy of the presentation that Mr Ringqvist delivered. Pursuant to Section 1.1206 of the Commission's rules, one copy of this notice is being filed electronically with the Commission for inclusion in the dockets referenced above. Please advise if you have questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Jared Carlson".

Jared M. Carlson  
Director, Regulatory and Government Affairs

Attachment

# Terminal Interoperability Strategy

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# Ericsson's Approach to Secure Interoperability...

How  
Ericsson is  
securing  
inter-  
operability  
between  
Terminal  
and  
Network?

## Standardization

- Open Standards
- Base for interworking

## Roadmap Discussions

- Aligned Roadmaps
- Availability of systems and terminals to support new features

## Development Testing (IODT)

- Usage of “real equipment”
- Win-win situation for Ericsson and terminal vendor

## Multi-Vendor Terminal Verification (MVTV)

- Certification
- Testing in test plant and live network



...FROM EARLY STANDARDIZATION  
TO END-USER DEPLOYMENT

# Ericsson's Involvement in Standardization

- › Ericsson is actively involved in
  - Development of future standards
  - Maintenance of existing standards
- › Networks
  - Radio Networks  
(GSM/GPRS/EDGE, WCDMA, CDMA, LTE)
  - Service Layer
  - Circuit Core/Packet Core/IMS
  - Broadband Networks
- › Terminals
  - Terminal Type Approval
  - Terminal Certification Requirements



ERICSSON HAS A VARIETY OF MEMBERSHIP LEVELS IN A  
LARGE NUMBER OF DIFFERENT BODIES

# Roadmap discussions with the Terminal Industry

## ERICSSON'S NEEDS

Ensure that  
**SYSTEM FEATURES**  
are supported by terminals



Roadmap  
Discussion

## TERMINAL VENDOR NEEDS

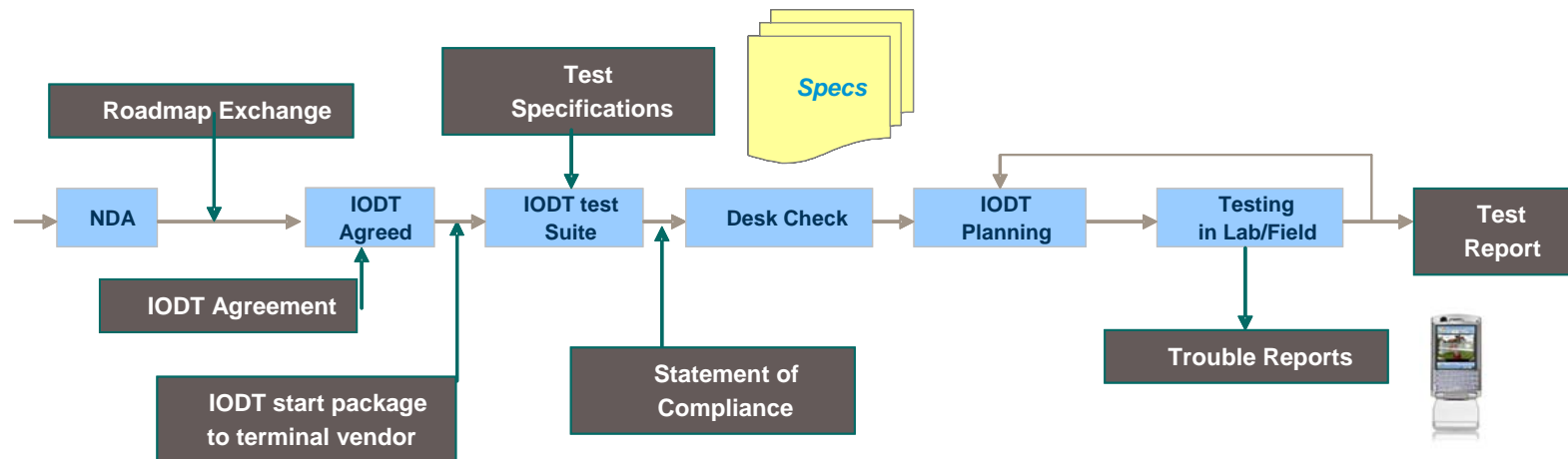
Ensure that **TERMINAL FEATURES** are supported by network systems



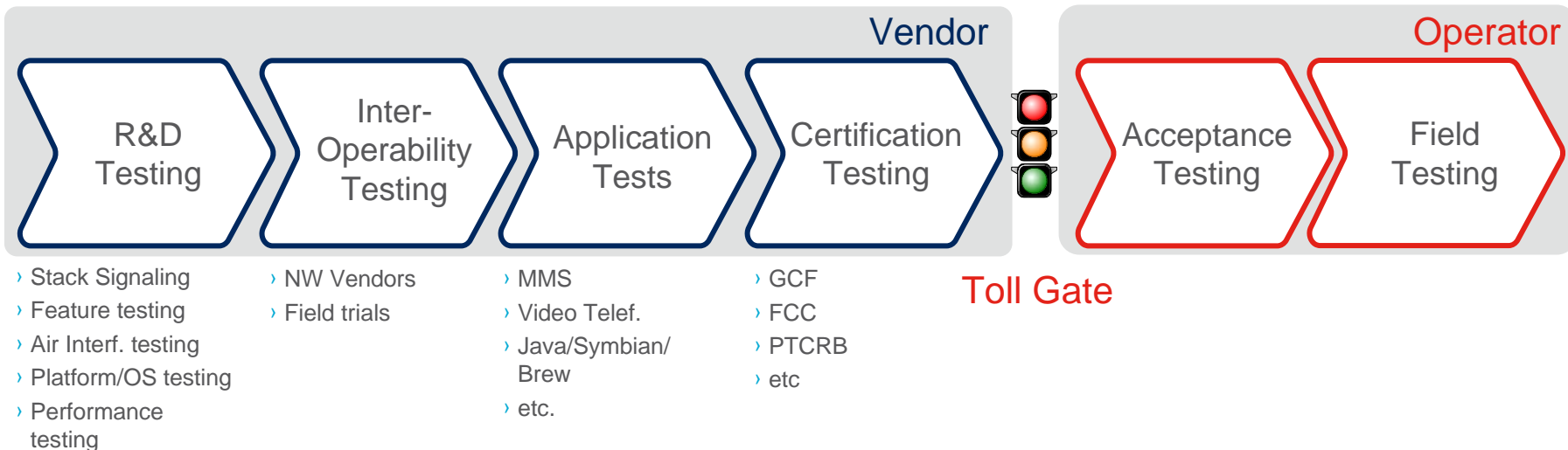
OPERATORS WANT TO OFFER NEW SERVICES TO  
ATTRACT AND RETAIN CUSTOMERS

# Interoperability Development Testing (IODT)

- › Interoperability Development Testing (IODT) is a task in the Ericsson SW development process
- › Done with selected terminal vendors
- › First step in verifying interworking between terminals and network
- › Usage of “real equipment” and **no** simulators
- › Software revisions under test:
  - Ericsson: pre-commercial
  - Terminals Vendors: Prototype status.
- › Win-win situation both for Ericsson and the Terminal Vendor

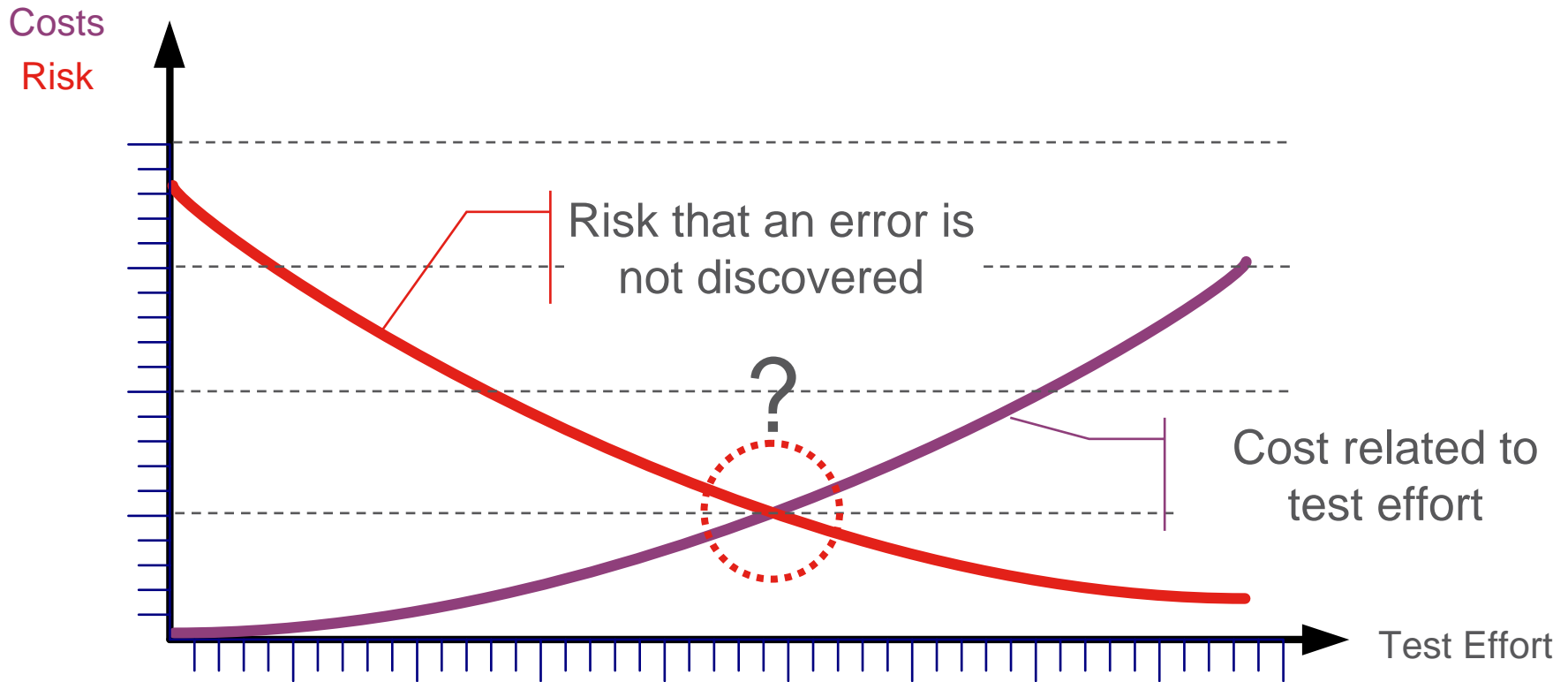


# Multi-Vendor Terminal Verification (MVTV)



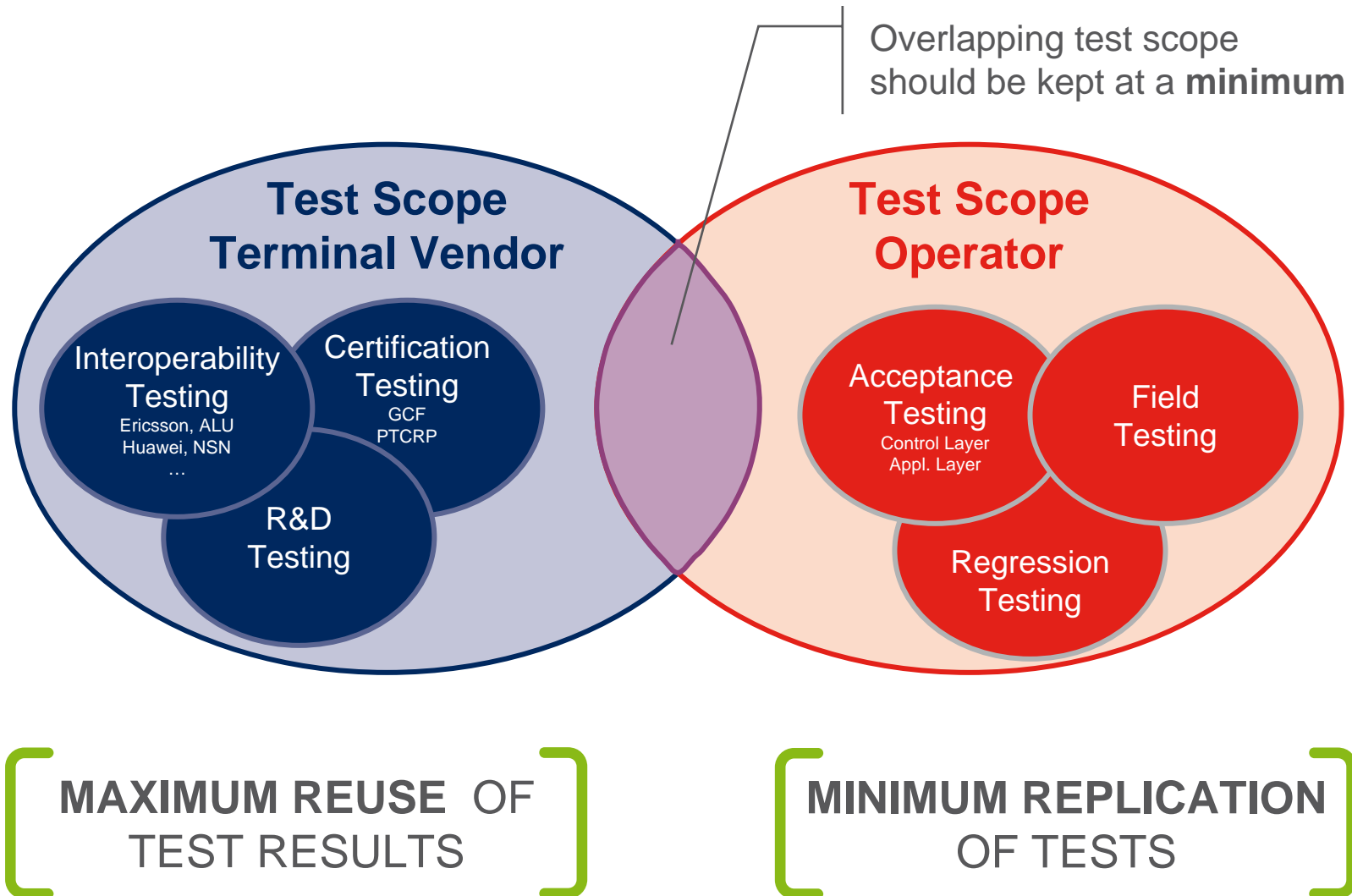
- › Provisioning of test facilities with latest SW releases and network features
- › Provisioning of experiences resources supporting test cases execution and fault analysis
- › Knowledge Transfer
- › Test plans, processes and procedures for efficient test execution
- › Test tools for automated test execution

# How much testing is needed?



**OPTIMUM BETWEEN RISK LIMITATION AND  
TERMINAL TESTING COSTS DEPENDS ON  
OPERATOR'S REQUIREMENTS**

# What Is an Efficient Test Scope for the Operator?





**ERICSSON**